

L Number	Hits	Search Text	DB	Time stamp
1	8	sound\$1 same graphic\$1 same power same (reducing or reduction or saving\$1)	USPAT; US-PGPUB	2002/09/13 14:49
4	68	((sound\$1 or midi) same (graphic\$1 or image\$1 or JPEG or MPEG)) same power same (reducing or reduction or saving\$1)	USPAT; US-PGPUB	2002/09/13 14:54
7	11521	713/\$.ccls.	USPAT; US-PGPUB	2002/09/13 14:51
10	3	((((sound\$1 or midi) same (graphic\$1 or image\$1 or JPEG or MPEG)) same power same (reducing or reduction or saving\$1)) and 713/\$.ccls.	USPAT; US-PGPUB	2002/09/13 14:52
13	56	((sound\$1 or midi or voice) same (graphic\$1 or image\$1 or JPEG or MPEG or video)) same power same (reducing or reduction or saving\$1)	EPO; JPO; DERWENT; IBM_TDB	2002/09/13 15:31
18	116	((sound\$1 or midi or voice) same (graphic\$1 or image\$1 or JPEG or MPEG or video)) same power same (reducing or reduction or saving\$1)	USPAT; US-PGPUB	2002/09/13 15:32
21	3	713/\$.ccls. and (((sound\$1 or midi or voice) same (graphic\$1 or image\$1 or JPEG or MPEG or video)) same power same (reducing or reduction or saving\$1))	USPAT; US-PGPUB	2002/09/13 15:33
24	4	18.ab,ti,clm.	USPAT; US-PGPUB	2002/09/13 15:34
27	3043	((data near3 type\$1) with (driver\$1 or controller\$1))	USPAT; US-PGPUB	2002/09/13 15:45
30	93	((((data near3 type\$1) with (driver\$1 or controller\$1))) and 713/\$.ccls.	USPAT; US-PGPUB	2002/09/13 15:47
33	19255	power with table\$1	USPAT; US-PGPUB	2002/09/13 15:47
36	4	((((data near3 type\$1) with (driver\$1 or controller\$1))) same (power with table\$1)	USPAT; US-PGPUB	2002/09/13 15:50
39	8	((((data near3 type\$1) with (driver\$1 or controller\$1))) and 713/\$.ccls.) and (power with table\$1)	USPAT; US-PGPUB	2002/09/13 15:50

09/285,879

CLIPPEDIMAGE= JP02000115649A

PAT-NO: JP02000115649A

DOCUMENT-IDENTIFIER: JP 2000115649 A

TITLE: TELEVISION RECEIVER

PUBN-DATE: April 21, 2000

INVENTOR-INFORMATION:

NAME	COUNTRY
HORIBE, SHIGENOBU	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
TOSHIBA CORP	N/A

APPL-NO: JP10285545

APPL-DATE: October 7, 1998

INT-CL (IPC): H04N005/44;H04N005/57 ;H04N005/60

ABSTRACT:

PROBLEM TO BE SOLVED: To reduce power consumption by storing and selectively executing plural setting programs for reduction in power consumption, corresponding to the using environment of a user and the using environment throughout a single day or a single year beforehand.

SOLUTION: In a control microcomputer 8, plural kinds of the setting programs for reducing the power consumption corresponding to the viewing time or viewing environment (season) of the user are stored. The plural kinds of the setting programs are the programs for limiting luminance and sound volume, so as not to become higher than are required corresponding to the viewing time of the user or the programs for limiting the luminance and the sound volume so as not to be more than required, corresponding to the viewing season of the user. When the setting program is selected by the operation of the user by a remote controller 11, the control microcomputer 8 controls a video processing circuit 4 and a sound processing circuit 5, based on the selected setting program. Thus, the brightness of display video images, contrast and the sound volume are limited so as not to be higher than are required.

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CLIPPEDIMAGE= JP02000115649A

PAT-NO: JP02000115649A

DOCUMENT-IDENTIFIER: JP 2000115649 A

TITLE: TELEVISION RECEIVER

PUBN-DATE: April 21, 2000

INVENTOR-INFORMATION:

NAME	COUNTRY
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CLIPPEDIMAGE= JP411261982A

PAT-NO: JP411261982A

DOCUMENT-IDENTIFIER: JP 11261982 A

TITLE: VIDEO TELEPHONE TERMINAL, POWER SOURCE CONTROL METHOD AND RECORDING MEDIUM

PUBN-DATE: September 24, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
OSAWA, SO	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
TOSHIBA CORP	N/A

APPL-NO: JP10062685

APPL-DATE: March 13, 1998

INT-CL (IPC): H04N007/14;G06F001/32 ;G06F001/28 ;G06F001/30

ABSTRACT:

PROBLEM TO BE SOLVED: To extend an operation time when the remaining capacity of a power source battery becomes a prescribed value or less in the state of maintaining an original function.

SOLUTION: A CPC 11 of a video telephone terminal is operated by power supplied by a power source battery 13 and executes processing of converting image data inputted by an image input device 15 and voice data inputted by a voice input device 16 in to data for transmission. When it is detected by the monitor of a power source managing device 12 that the remaining capacity of the power source battery 13 becomes the prescribed value or less, the CPC 11 reduces a data processing amount by reducing the amount of data inputted from at least one of the image input device 15 and the voice input device 16 and becomes in the operating state of lowering power consumption so that the power consumption of the power source battery 13 can be suppressed.

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CLIPPEDIMAGE= JP410271677A

PAT-NO: JP410271677A

DOCUMENT-IDENTIFIER: JP 10271677 A

TITLE: INFORMATION PROCESSOR

PUBN-DATE: October 9, 1998

INVENTOR-INFORMATION:

NAME

SEKI, JIYOUKON

OTSUKI, HIDEKI

ASSIGNEE-INFORMATION:

NAME

RICOH CO LTD

COUNTRY

N/A

APPL-NO: JP09075039

APPL-DATE: March 27, 1997

INT-CL (IPC): H02J001/00;G10K015/04 ;G10L003/00

ABSTRACT:

PROBLEM TO BE SOLVED: To save power, based on whether sound input is existent or not by shifting to the power saving mode to suppress the power consumption of the device when the detection of the sound input is not within the preset time.

SOLUTION: A sound analyzer 14 detects the sound signal inputted from a microphone 1, and when it does not detect the sound input within the preset time after power on of the device, and when it does not detect the next sound input within the preset time after detection of the previous sound input, it sends the notice to a controller 11. Then, the device controller 11 shifts a karaoke device into a power saving mode, according to the notice. Accordingly, the power consumption of the device at large can be saved, by stopping or suppressing the power supply to the section (each section of a television monitor 3, an amplifier 4, a preamplifier 12, an image and performance processor 13, an HDD 17, a fan 18, etc.) not in need of drive at nonuse of the karaoke device.

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CLIPPEDIMAGE= JP410271677A

PAT-NO: JP410271677A

DOCUMENT-IDENTIFIER: JP 10271677 A

TITLE: INFORMATION PROCESSOR

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CLIPPEDIMAGE= JP409298727A

PAT-NO: JP409298727A

DOCUMENT-IDENTIFIER: JP 09298727 A

TITLE: IMAGE/SOUND PROCESSOR AND SIGNAL THROUGHPUT ALLOCATING METHOD FOR THE SAME

PUBN-DATE: November 18, 1997

INVENTOR-INFORMATION:

NAME

OTSUKI, HIDEKI

ASSIGNEE-INFORMATION:

NAME

RICOH CO LTD

COUNTRY

N/A

APPL-NO: JP08163641

APPL-DATE: June 5, 1996

INT-CL (IPC): H04N007/15;H04M003/56 ;H04M011/06

ABSTRACT:

PROBLEM TO BE SOLVED: To utilize the full signal throughput of a device for improving image quality or sound quality or reducing power consumption without wasting it by adaptively distributing the remaining ability, for which the throughput to be used for an image/ sound signal processing function based on the selected recommendation, to the signal processing functions out of the recommendation.

SOLUTION: A terminal control part 3 increases/decreases the throughput of the signal processing function out of the recommendation within the range that the total of throughput of the image/sound signal processing function based on the selected recommendation at an image/sound CODEC function 2a/2c and throughput of the signal processing functions out of the recommendation at a motion vector detecting function 2b and an echo canceler function 2d does not exceed the full signal throughput of a digital signal processing means(DSP) 2, and the execution of these signal processing functions is instructed to the DSP 2. On the other hand, corresponding to the instruction from the terminal control part 3, the DSP 2 selectively executes plural kinds of image/sound signal processing functions based on the recommendation and executes the signal processing functions out of the recommendation with the throughput corresponding to the instruction from the terminal control part 3.

COPYRIGHT: (C)1997,JPO

CLIPPEDIMAGE= JP409298727A

PAT-NO: JP409298727A

DOCUMENT-IDENTIFIER: JP 09298727 A

TITLE: IMAGE/SOUND PROCESSOR AND SIGNAL THROUGHPUT ALLOCATING METHOD FOR THE SAME

PUBN-DATE: November 18, 1997

INVENTOR-INFORMATION:

NAME

OTSUKI, HIDEKI

ASSIGNEE-INFORMATION:

NAME

RICOH CO LTD

COUNTRY

N/A

APPL-NO: JP08163641

APPL-DATE: June 5, 1996

INT-CL (IPC): H04N007/15;H04M003/56 ;H04M011/06

ABSTRACT:

PROBLEM TO BE SOLVED: To utilize the full signal throughput of a device for improving image quality or sound quality or reducing power consumption without wasting it by adaptively distributing the remaining ability, for which the throughput to be used for an image/ sound signal processing function based on the selected recommendation, to the signal processing functions out of the recommendation.

SOLUTION: A terminal control part 3 increases/decreases the throughput of the signal processing function out of the recommendation within the range that the total of throughput of the image/sound signal processing function based on the selected recommendation at an image/sound CODEC function 2a/2c and throughput of the signal processing functions out of the recommendation at a motion vector detecting function 2b and an echo canceler function 2d does not exceed the full signal throughput of a digital signal processing means(DSP) 2, and the execution of these signal processing functions is instructed to the DSP 2. On the other hand, corresponding to the instruction from the terminal control part 3, the DSP 2 selectively executes plural kinds of image/sound signal processing functions based on the recommendation and executes the signal processing functions out of the recommendation with the throughput corresponding to the instruction from the terminal control part 3.

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CLIPPEDIMAGE= JP408307783A

PAT-NO: JP408307783A

DOCUMENT-IDENTIFIER: JP 08307783 A

TITLE: TELEVISION DEVICE WITH BUILT-IN CD REPRODUCING DEVICE

PUBN-DATE: November 22, 1996

INVENTOR-INFORMATION:

NAME

YONEDE, HISASHI
HAMAGUCHI, MASAKAZU
YAMASHITA, TOMOHITO
KAMOGAWA, KOJI

ASSIGNEE-INFORMATION:

NAME

HITACHI LTD

COUNTRY

N/A

APPL-NO: JP07114839

APPL-DATE: May 12, 1995

INT-CL (IPC): H04N005/44

ABSTRACT:

PURPOSE: To reduce interference radiation to a TV tuner by detecting the kind of a CD and operating clock circuit of an irreducible minimum for operating the CD when video recording is performed in an external VTR by operating a CD reproducing device, receiving a TV signal, in the television device with built-in CD reproducing device.

CONSTITUTION: This device is provided with a controller 13 performing a control so as to perform video recording for the output from a CD reproducing device in an external VTR by operating this CD reproducing device which is possible to play plural kinds of disks even when an input switch circuit 17 selects a TV signal and performs a video display. By making the CD reproducing device inoperative by detecting that a disk is not loaded by a CD presence/absence/kind detection means and operating only a voice system clock generation part or a video system clock generation part which is necessary to the performance of the disk by detecting the kind of the disk, interference radiation is reduced and power saving is performed.

COPYRIGHT: (C)1996,JPO

CLIPPEDIMAGE= JP408307783A

PAT-NO: JP408307783A

DOCUMENT-IDENTIFIER: JP 08307783 A

TITLE: TELEVISION DEVICE WITH BUILT-IN CD REPRODUCING DEVICE

PUBN-DATE: November 22, 1996

INVENTOR-INFORMATION:

NAME

YONEDE, HISASHI
HAMAGUCHI, MASAKAZU
YAMASHITA, TOMOHITO
KAMOGAWA, KOJI

ASSIGNEE-INFORMATION:

NAME

HITACHI LTD

COUNTRY

N/A

APPL-NO: JP07114839

APPL-DATE: May 12, 1995

INT-CL (IPC): H04N005/44

ABSTRACT:

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CONSTITUTION: This device is provided with a controller 13 performing a control so as to perform video recording for the output from a CD reproducing device in an external VTR by operating this CD reproducing device which is possible to play plural kinds of disks even when an input switch circuit 17 selects a TV signal and performs a video display. By making the CD reproducing device inoperative by detecting that a disk is not loaded by a CD presence/absence/kind detection means and operating only a voice system clock generation part or a video system clock generation part which is necessary to the performance of the disk by detecting the kind of the disk, interference radiation is reduced and power saving is performed.

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US-PAT-NO: 5469553

DOCUMENT-IDENTIFIER: US 5469553 A

TITLE: Event driven power reducing software state machine

DATE-ISSUED: November 21, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patrick, Paul R.	Peyton	CO	N/A	N/A

US-CL-CURRENT: 713/323; 360/69 ; 360/73.03 ; 360/75

ABSTRACT:

For a computer system or a subsystem thereof having electrical components, a method and apparatus for a collection of event driven software state machine of the type where each state machine is separately operable at differing levels of power consumption, and where the transitions from state to state are as a direct result of input events. Each of the state machines is programmatically biased to operate the state machine at a lowest possible power, and state machines processing event of a higher priority do so at the expense of state machines processing events having a lower priority.

10 Claims, 28 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

----- KWIC -----

Brief Summary Text - BSTX:

An example of an autonomously operating subsystem may be found in input/output (I/O) controllers. I/O controllers generally control the data transfer between the various peripheral devices and the computer. For example, a typical I/O controller, such as a video display terminal (VDT) controller, in response to keystrokes (input data) typed by the user will cause the computer to transfer information (output data) to a display screen. Similarly, a disk controller, in response to user initiated events from the host computer will transfer files between the host CPU and a disk drive. The complex device control functions that are involved in data transfers are generally processed autonomously by the I/O subsystem.

Detailed Description Text - DETX:

The following table compares the computed power consumption of various electrical components, of a disk drive using traditional polling driven state machine software, and a comparable disk drive using the event driven software state machines embodying the invention. The table shows the rate of power consumption for various disk drive activities or machine states.

Current US Original Classification - CCOR:

713/323